

Peak District National Park

Forecast valid from 06:00 on Tuesday 01 Feb 2022 until 23:59 on Wednesday 02 Feb 2022

Forecast Issued on Tuesday 01 Feb 2022 at 02:09

Confidence: Low confidence about clearance of frontal rain on Tuesday with low cloud and rain lingering for much of the day. Additionally if the front moves further southwest there will be less cloud and better visibility than forecast. Further uncertainty on Wednesday as the front moves back towards the Peak District. High confidence for the return of colder conditions by the end of the week.

Headline for Tuesday 01 Feb 2022: West or northwest gales, a wet day but some drier conditions later in the east.

Mountain weather hazards on Tuesday 01 Feb 2022

Blizzards

No Likelihood

Heavy persistent snow

No Likelihood

Storm force winds

No Likelihood

Gales

High Likelihood

Severe chill effect

Low Likelihood

Poor visibility

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Light rain	Light rain	Light rain	Light rain	Cloudy	Cloudy
Precipitation probability					
60%	60%	60%	50%	30%	10%

Forecast for Tuesday 01 Feb 2022

Weather: An area of light and patchy rain will affect the area overnight, introducing some milder air for a time on Tuesday. The area of rain will move away west but may not completely clear the Peak District and may reinvigorate at times. Eastern areas closer to Sheffield will have the best chance of bright or sunny spells in the afternoon but the western hills nearer Glossop may remain quite cloudy with a few outbreaks of light rain at times.

Chance of cloud-free hill tops above 600m: 30% in the morning with widespread broken low cloud, improving to 60% in the afternoon and the best chance of low cloud clearance will be in the north and east around Bradfield and Hathersage.

Low cloud and visibility: Broken low cloud layers in the morning from 400m and above and light rain will make visibility quite poor at times especially around western hills around Hob Tor. As the rain area begins to clear southwest some breaks will develop in the cloud in the north and it will become patchy around 600m, if the rain does not totally clear the western areas more low cloud will linger here.

Forecast for Tuesday 01 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	27/34 W	31/38 W	34/44 W	35/47 W	32/44 NW	26/35 W	23/31 W
300	22/28 W	22/30 W	25/36 W	26/38 W	22/32 NW	18/28 W	16/24 W
Valley	13/27 W	15/31 W	19/37 W	19/39 W	15/33 NW	12/28 W	10/23 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/0	6/0	6/1	6/-0	5/-2	4/-2	4/-2
300	7/3	8/3	8/4	8/4	7/2	7/2	6/2
Valley	7/4	8/5	9/5	9/5	8/4	7/4	7/4
Freezing Level*	2200m	1600m	1700m	1500m	1200m	1100m	1300m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Milder air for a time on Tuesday. Northwesterly gales on the summits of the higher hills like Hob Tor and Kinder Scout during the morning.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 01 Feb 2022	7.4mm	14mm	15.4mm

Forecast for Wednesday 02 Feb 2022

Weather: A mainly dull and cloudy day with light and patchy rain likely over the area for much of the day but a lot of uncertainty in the extent of this. The east is likely to see the best conditions with some drier and brighter spells with the western hills experiencing persistent drizzle or light rain.

Maximum wind: Westerly 20 mph with gusts 30mph becoming Southwesterly 15-20mph later.

Chance of cloud-free hill tops above 600m: 20% in the west improving to 50%. In the east 40% improving to 70% later.

Low cloud and visibility: Extensive low cloud likely above 400m in the morning especially in the west but a few breaks may be found further east. Cloud breaks developing during the afternoon with better views likely in the east. Moderate or poor visibility especially in light rain and drizzle, perhaps some good visibility in the afternoon in the east.

Temperature: **Valleys:** Plus 7 rising to 11 Celsius.
At 600m: Plus 5 Celsius.
Freezing level: above the summits.